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**A new anonymous marker on chromosome 11, D11S347, detects two TaqI RFLPs**

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**SOURCE/DESCRIPTION** A 14.7 kb single copy genomic DNA probe, DM13, isolated from a lambda Charon 4A HaeIII/AluI human genomic DNA library.

**POLYMORPHISM** TaqI (T/CGA, Boehringer Mannheim): Two two-allele polymorphisms, with bands at 6.6 kb (allele A1) or 5.7 kb (allele A2); and 3.25 kb (allele B1) or 1.75 and 1.5 kb (allele B2). Constant fragments of 2.9, 2.0 and 1.8 kb.

**FREQUENCY** Studied unrelated southern African males and females

	94 Caucasoids	40 Negroids	53 San
A1 (6.6 kb)	0.65	0.86	0.80
A2 (5.7 kb)	0.35	0.14	0.20
B1 (3.25 kb)	0.40	0.48	0.66
B2 (1.75, 1.5 kb)	0.60	0.52	0.34

**NOT POLYMORPHIC FOR** AvaII, BamHI, BglIII, EcoRI, HincII, HindIII, MboI, MspI, PstI, PvuII, RsaI, SstI, StuI (7 individuals tested).

**CHROMOSOMAL LOCALIZATION** Probe DM13 assigned to chromosome 11 using two independent panels of somatic cell hybrid lines.

**MENDELIAN INHERITANCE** Co-dominant segregation of all TaqI alleles demonstrated in at least five South African Caucasoid and Negroid families and 17 informative CEPH pedigrees.

**PROBE AVAILABILITY** Available to collaborators.

**OTHER COMMENTS** Alleles A1 and A2 detectable using a 6.2 or 5.7 kb TaqI fragment, alleles B1 and B2 detectable using a 1.5 kb TaqI fragment, isolated from DM13.